

ABSTRACT

5 The invention relates to a process and to a reactor for deliming water and simultaneously removing pollutants, as well as the disinfection and destruction of permanent forms of parasites. The prior art operates with relatively high apparatus and energy costs and the results obtained are frequently inadequate. According to the invention these problems are obviated in that the water is directly or indirectly heated in the treatment chamber, that one or more horizontally directed plates with perforated border for deflecting the water flow and for receiving residues are fixed in the lower area of the reactor spaced from the bottom and side wall thereof and that a gassing device is provided outside the reactor having a pipe with gas distributor leading centrally into the reactor and 15 which terminates below the plate or plates and where in a discontinuously operated reactor the out let is located between the reactor bottom and the plate or plates, whereas in a continuously operated reactor the outlet is positioned above the plate or plates. (Fig. 1)